



Mawlana Bhashani Science And Technology University

## Lab-Report

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### Submitted By:

Name: Md. Mehedi Hasan Tipu

ID: IT-18046

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Session : 2017-18

Dept. of ICT

MBSTU

### Submitted To:

Nazrul Islam

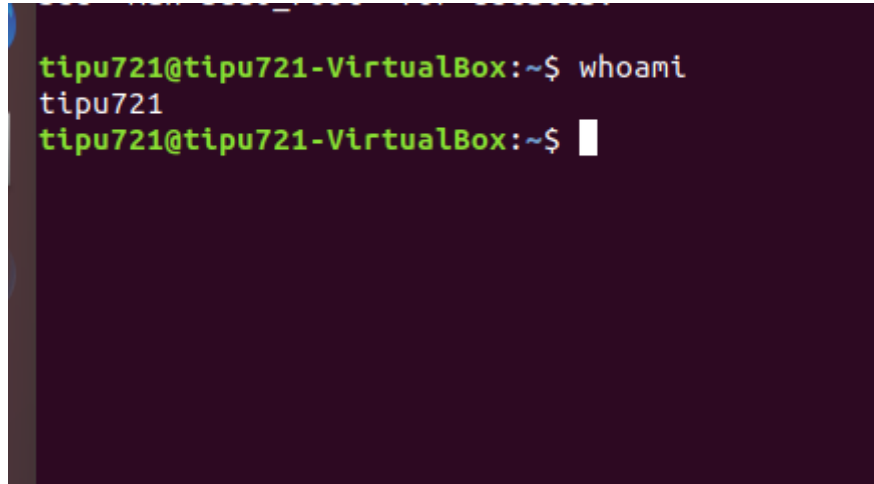
Assistant Professor

Dept. of ICT

MBSTU

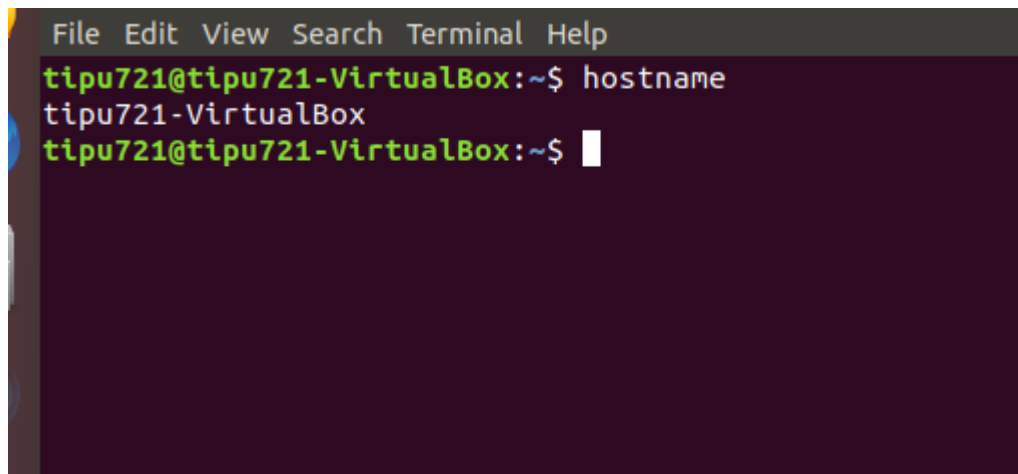
# Basic Linux Command

1) **whoami** : This command prints the username associated with the current effective user ID.

A terminal window with a dark purple background. The prompt is 'tipu721@tipu721-VirtualBox:~\$'. The command 'whoami' has been entered, and the output 'tipu721' is displayed on the next line. The prompt is now ready for the next command.

```
tipu721@tipu721-VirtualBox:~$ whoami
tipu721
tipu721@tipu721-VirtualBox:~$
```

2) **hostname** : The **hostname** command shows or sets the system hostname.

A terminal window with a dark purple background. The prompt is 'tipu721@tipu721-VirtualBox:~\$'. The command 'hostname' has been entered, and the output 'tipu721-VirtualBox' is displayed on the next line. The prompt is now ready for the next command.

```
File Edit View Search Terminal Help
tipu721@tipu721-VirtualBox:~$ hostname
tipu721-VirtualBox
tipu721@tipu721-VirtualBox:~$
```

3) **pwd**: hort for **print working directory**, **pwd** is a Linux, Unix, and FTP command to print the directory you're currently working in when at the command line.

```
File Edit View Search Terminal Help
tipu721@tipu721-VirtualBox:~$ pwd
/home/tipu721
tipu721@tipu721-VirtualBox:~$
```

**4) ls** : ls lists the files in the current working folder.

```
tipu721@tipu721-VirtualBox: ~
File Edit View Search Terminal Help
tipu721@tipu721-VirtualBox:~$ ls
Desktop      Downloads    Music        Public       Videos
Documents    examples.desktop  Pictures     Templates
tipu721@tipu721-VirtualBox:~$
```

**5) ls -a**: list all files including hidden file starting with '.'

```
File Edit View Search Terminal Help
tipu721@tipu721-VirtualBox:~$ ls -a
.          Documents      Music          .vboxclient-display.pid
..         Downloads      Pictures       .vboxclient-draganddrop.pid
.bash_logout examples.desktop .profile      .vboxclient-seamless.pid
.bashrc    .gnupg             Public         Videos
.cache     .ICEauthority      .ssh
.config    .local             Templates
Desktop    .mozilla           .thunderbird
tipu721@tipu721-VirtualBox:~$
```

```
File Edit View Search Terminal Help
tipu721@tipu721-VirtualBox:~$ cd Desktop
tipu721@tipu721-VirtualBox:~/Desktop$
```

**6) cd:** The **cd** command, which stands for "change directory", changes the shell's current working directory .

**7) mkdir:** The **mkdir** command creates new directories in your file system.

```
File Edit View Search Terminal Help
tipu721@tipu721-VirtualBox:~/Desktop$ mkdir tipu
tipu721@tipu721-VirtualBox:~/Desktop$ cd tipu
tipu721@tipu721-VirtualBox:~/Desktop/tipu$ ls tipu
ls: cannot access 'tipu': No such file or directory
tipu721@tipu721-VirtualBox:~/Desktop/tipu$ ls
tipu721@tipu721-VirtualBox:~/Desktop/tipu$
```

```
File Edit View Search Terminal Help
To run a command as administrator (user "root"), use "sudo <command>"
See "man sudo_root" for details.

tipu721@linux:~$ pwd
/home/tipu721
tipu721@linux:~$ cd desktop
bash: cd: desktop: No such file or directory
tipu721@linux:~$ cd Desktop
tipu721@linux:~/Desktop$ cd tipu
bash: cd: tipu: No such file or directory
tipu721@linux:~/Desktop$ ls
tipu721@linux:~/Desktop$ mkdir tipu
tipu721@linux:~/Desktop$
```

8) cd .. :  
Move  
one

directories up.

```

tipu721@linux:~$ pwd
/home/tipu721
tipu721@linux:~$ ls
Desktop      Downloads      Music      Public  Templates
Documents    examples.desktop  Pictures    snap    Videos
tipu721@linux:~$ cd
tipu721@linux:~$ cd Desktop
tipu721@linux:~/Desktop$ mkdir tipu
mkdir: cannot create directory 'tipu': File exists
tipu721@linux:~/Desktop$ mkdir ruhan
tipu721@linux:~/Desktop$ cd ruhan
tipu721@linux:~/Desktop/ruhan$ mkdir ict
tipu721@linux:~/Desktop/ruhan$ mkdir MBSTU
tipu721@linux:~/Desktop/ruhan$ cd ..
tipu721@linux:~/Desktop$

```

9) cd .. .. : Move two directories up

```

tipu721@linux:~$ pwd/home/tipu
bash: pwd/home/tipu: No such file or directory
tipu721@linux:~$
tipu721@linux:~$ ls
Desktop      Downloads      Music      Public  Templates
Documents    examples.desktop  Pictures    snap    Videos
tipu721@linux:~$ cd Desktop
tipu721@linux:~/Desktop$ mkdir tipu
mkdir: cannot create directory 'tipu': File exists
tipu721@linux:~/Desktop$ cd tipu
tipu721@linux:~/Desktop/tipu$ mkdir ruhan
tipu721@linux:~/Desktop/tipu$ cd ruhan
tipu721@linux:~/Desktop/tipu/ruhan$ mkdir ict
tipu721@linux:~/Desktop/tipu/ruhan$ cd ict
tipu721@linux:~/Desktop/tipu/ruhan/ict$ mkdir mbstu
tipu721@linux:~/Desktop/tipu/ruhan/ict$ cd mbstu
tipu721@linux:~/Desktop/tipu/ruhan/ict/mbstu$ cd ..
tipu721@linux:~/Desktop/tipu/ruhan/ict$ cd ict
bash: cd: ict: No such file or directory
tipu721@linux:~/Desktop/tipu/ruhan/ict$ mkdir ict1
tipu721@linux:~/Desktop/tipu/ruhan/ict$ cd../..
bash: cd../..: No such file or directory
tipu721@linux:~/Desktop/tipu/ruhan/ict$

```

10) rmdir: remove a directory.

### 11) rm -r:

remove directory with its content.

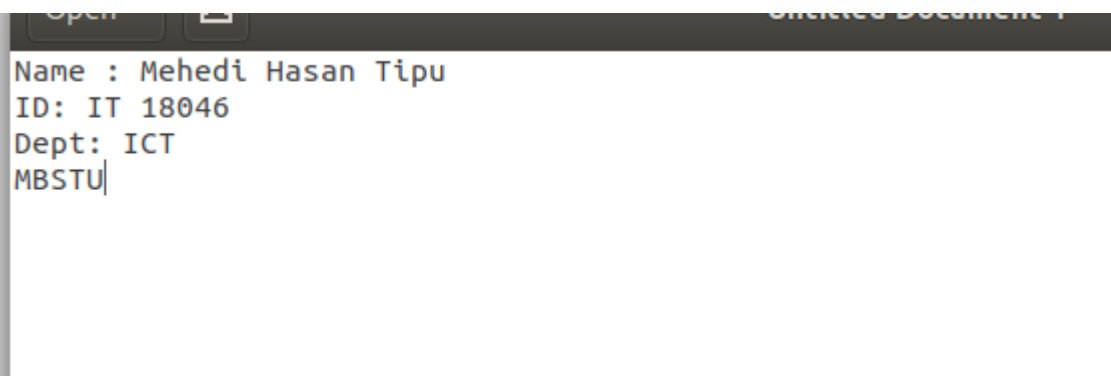
```
File Edit View Search Terminal Help
tipu721@linux:~/Desktop/tipu/ruhan/ict$ pwd
/home/tipu721/Desktop/tipu/ruhan/ict
tipu721@linux:~/Desktop/tipu/ruhan/ict$ ls
ict1  mbstu
tipu721@linux:~/Desktop/tipu/ruhan/ict$ cd Desktop
bash: cd: Desktop: No such file or directory
tipu721@linux:~/Desktop/tipu/ruhan/ict$ ls
ict1  mbstu
tipu721@linux:~/Desktop/tipu/ruhan/ict$ mkdir tipu
tipu721@linux:~/Desktop/tipu/ruhan/ict$ ls
ict1  mbstu  tipu
tipu721@linux:~/Desktop/tipu/ruhan/ict$ rmdir tipu
tipu721@linux:~/Desktop/tipu/ruhan/ict$ ls
ict1  mbstu
tipu721@linux:~/Desktop/tipu/ruhan/ict$
```

```
Try: sudo apt install <deb name>

tipu721@linux:~$ ls
Desktop  Downloads  Music  Public  Templates
Documents  examples.desktop  Pictures  snap  Videos
tipu721@linux:~$ cd Desktop
tipu721@linux:~/Desktop$ ls
ruhan  tipu
tipu721@linux:~/Desktop$ rm -r ruhan
tipu721@linux:~/Desktop$ ls
tipu
tipu721@linux:~/Desktop$
```

### 12) gedit : Working with text editors:

\$ gedit ---> its an editor



## Discussion:

Info is a software utility which forms a hypertextual, multipage documentation and help viewer working on a **command** line interface. Info reads info files generated by the texinfo program and presents the documentation as a tree with simple **commands** to traverse the tree and to follow cross references.